



Gulf of Mexico Harmful Algal Bloom Bulletin

23 June 2005

National Ocean Service

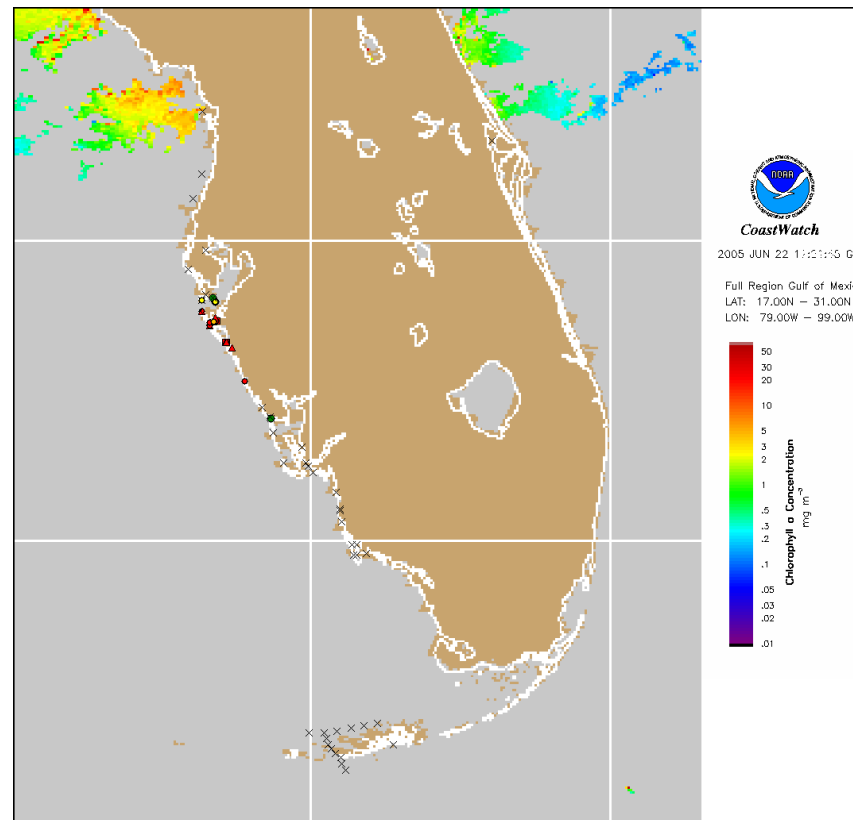
National Environmental Satellite, Data, and Information Service

Last bulletin: June 20, 2005

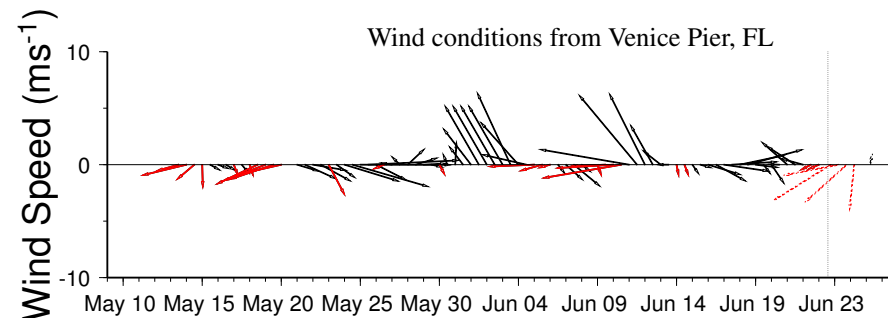
Conditions: A harmful algal bloom has been identified in Pinellas, Manatee, and Sarasota Counties. Patchy low to moderate impacts are possible along the coast Thursday; very low to low impacts Friday through Monday. In bayside areas patchy moderate impacts are possible through Monday.

Analysis: Recent imagery has been obscured by clouds. Precise northern and southern extents can not be determined at this time. Imagery on June 19 indicates that the bloom extends from Anna Maria Island to Clearwater Pier. No recent samples are currently available. Slight northerly expansion of the bloom (13-18km at most) may have occurred since Monday. Easterly and northeasterly winds through the weekend may reduce impacts at coastal beaches. No significant movement is expected through the weekend.

- Keller, Fisher



Chlorophyll concentration from satellite with possible HAB areas shown by red polygon(s). Cell concentration sampling data from June 3, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

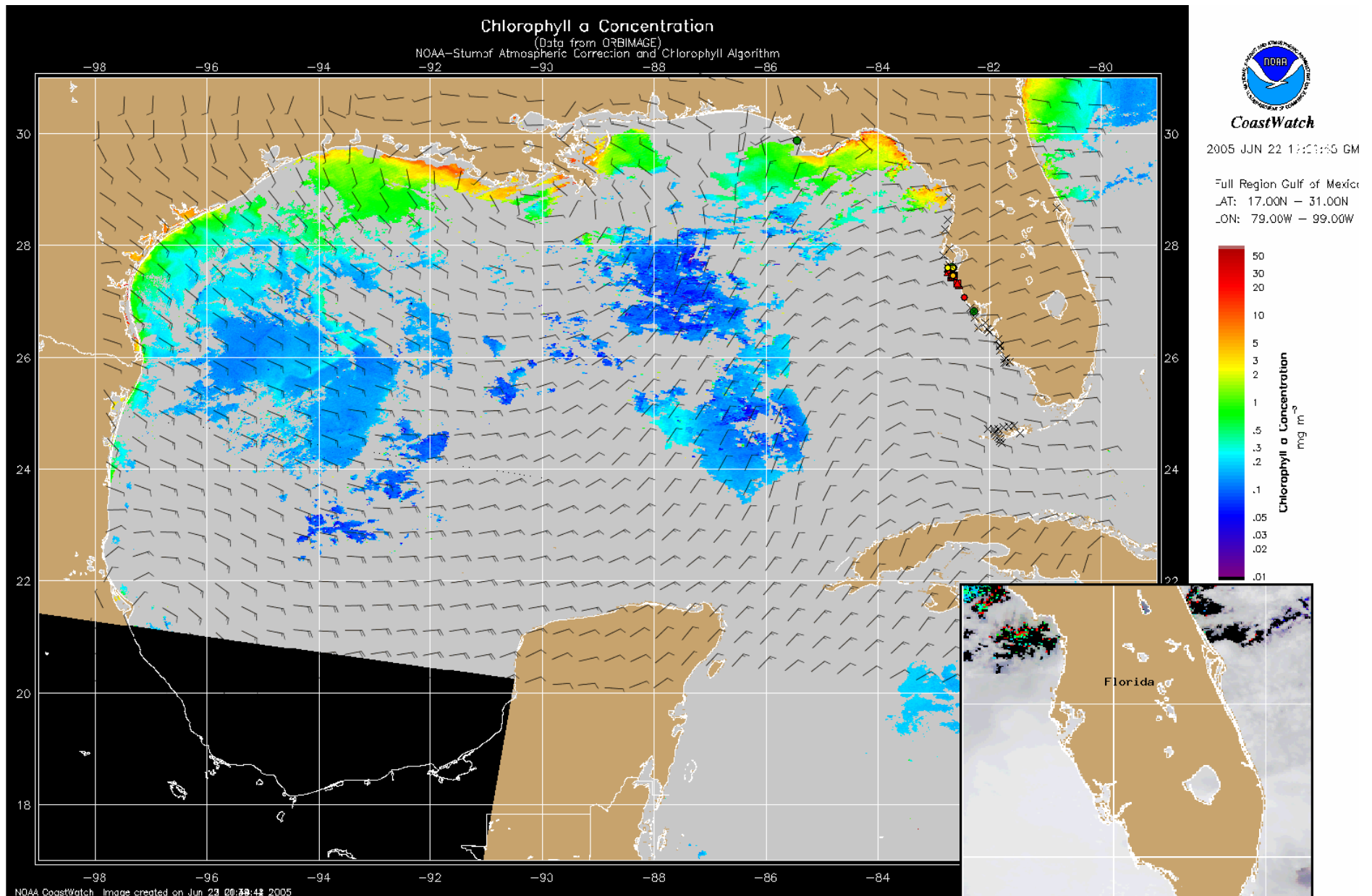


Wind speed and direction are averaged over 12 hours from measurements made on buoys. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Northwest winds today at 10 knots (3 m/s) becoming northeast tonight at 5-10 knots (3-5 m/s). East to northeasterly winds Friday through Sunday at 5-10 knots (3-5 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. These data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Distribution for military, or commercial purposes is NOT permitted.
3. There are restrictions on Internet/Web/public posting of these data.
4. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Chlorophyll concentration from satellite and forecast winds for June 24, 2005 06Z with cell concentration sampling data from June 3, 2005 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Blooms shown in red (see p. 1 analysis and image for interpretation)